

IN THE CLAIMS

1. (canceled)
2. (currently amended) A purified nucleic acid molecule comprising a mammalian Hypertension-Related Calcium-Regulated Gene (HCaRG), having the sequence set out in ~~SEQ ID No. 1~~ SEQ ID NO:1, or its complementary strand.
- 3-5. (canceled)
6. (currently amended) A purified nucleic acid molecule comprising a mammalian HCaRG, which has the sequence set out in ~~SEQ ID No. 3~~ SEQ ID NO:3.
7. (previously presented) A recombinant vector comprising the nucleic acid of claim 2.
8. (previously presented) A recombinant vector comprising the nucleic acid of claim 24.
9. (original) A recombinant host cell comprising the recombinant vector of claim 7.
10. (previously presented) A recombinant host cell comprising the recombinant vector of claim 8.
11. (currently amended) A purified nucleic acid of at least 12 nucleotides in length that hybridizes to a nucleic acid molecule in an *in situ* hybridization assay performed in a cell at 60°C in 4x SSC and 50% formamide, wherein the nucleic acid molecule comprises a coding portion of ~~SEQ ID No. 1~~ SEQ ID NO:1 between nucleotides 295 and 966, a coding portion of ~~SEQ ID No. 3~~ SEQ ID NO:3 between nucleotides 132 and 803, a sequence complementary to the coding portion of ~~SEQ ID No. 1~~ SEQ ID NO:1, or a sequence complementary to the coding portion of ~~SEQ ID No. 3~~ SEQ ID NO:3, wherein said purified nucleic acid is a Hypertension-Related Calcium-Regulating molecule.
12. (original) The nucleic acid as defined in claim 11 which is an amplification primer.
13. (original) The nucleic acid as defined in claim 11, which is a hybridization probe.

14. (original) A composition of matter comprising the nucleic acid of claim 2 and a carrier.

15. (previously presented) A composition of matter comprising the cDNA or mRNA of claim 24 and a carrier.

16. (previously presented) A composition of matter comprising the cDNA or mRNA of claim 25 and a carrier.

17. (original) A composition of matter comprising the recombinant vector of claim 7 and a carrier.

18. (original) A composition of matter comprising the recombinant vector of claim 8 and a carrier.

19. (original) A composition of matter comprising the nucleic acid of claim 11 and a carrier.

20. (original) A composition of matter comprising the nucleic acid of claim 12 and a carrier.

21. (original) A composition of matter comprising the nucleic acid of claim 13 and a carrier.

22. (original) A composition of matter comprising the recombinant host cell of claim 9 and a carrier.

23. (original) A composition of matter comprising the recombinant host cell of 10 and a carrier.

24. (currently amended) An isolated HCaRG cDNA or mRNA comprising[[:]] the open reading frame of claim 35.

25. (previously presented) An isolated HCaRG cDNA or mRNA comprising the open reading frame of claim 41.

26. (previously presented) A recombinant vector comprising the nucleic acid molecule of claim 25.

27. (previously presented) A recombinant host cell comprising the recombinant vector of claim 26.

28. (previously presented) A composition of matter comprising the recombinant vector of claim 25 and a carrier.

29. (previously presented) A composition of matter comprising the recombinant host cell of claim 27 and a carrier.

30. (previously presented) A recombinant vector comprising the nucleic acid of claim 6.

31. (previously presented) A recombinant host cell comprising the recombinant vector of claim 30.

32. (previously presented) A composition of matter comprising the nucleic acid of claim 6 and a carrier.

33. (previously presented) A composition of matter comprising the recombinant vector of claim 30 and a carrier.

34. (previously presented) A composition of matter comprising the recombinant host cell of claim 31 and a carrier.

35. (previously presented) An isolated open reading frame encoding SEQ ID NO: 2.

36. (previously presented) A recombinant vector comprising the open reading frame of claim 35.

37. (previously presented) A recombinant host cell comprising the recombinant vector of claim 36.

38. (previously presented) A composition of matter comprising the open reading frame of claim 35 and a carrier.

39. (previously presented) A composition of matter comprising the recombinant vector of claim 36 and a carrier.

40. (previously presented) A composition of matter comprising the recombinant host cell of claim 37 and a carrier.

41. (previously presented) An isolated open reading frame encoding SEQ ID NO: 4.

42. (previously presented) A recombinant vector comprising the open reading frame of claim 41.

43. (previously presented) A recombinant host cell comprising the recombinant vector of claim 42.

44. (previously presented) A composition of matter comprising the open reading frame of claim 41 and a carrier.

45. (previously presented) A composition of matter comprising the recombinant vector of claim 42 and a carrier.

46. (previously presented) A composition of matter comprising the recombinant host cell of claim 43 and a carrier.

47. (currently amended) The purified nucleic acid of claim 11 which ~~wherein the nucleic acid~~ has a sequence that is perfectly complementary to the coding portion of ~~SEQ ID No.1~~ SEQ ID NO:1, the coding portion of ~~SEQ ID No.3~~ SEQ ID NO:3, or a complementary sequence thereof.

48. (currently amended) The purified nucleic acid of claim 47 which is an amplification primer.

49. (currently amended) The purified nucleic acid of claim 47 which is a hybridization probe.

50. (currently amended) A composition of matter comprising the purified nucleic acid of claim 47 and a carrier.

51. (currently amended) A composition of matter comprising the purified nucleic acid of claim 48 and a carrier.

52. (currently amended) A composition of matter comprising the purified nucleic acid of claim 49 and a carrier.

53-58. (canceled)

59. (new) The purified nucleic acid of claim 11 which comprises at least 15 contiguous nucleotides.

60. (new) The purified nucleic acid of claim 11 which comprises at least 18 contiguous nucleotides.

61. (new) The purified nucleic acid of claim 11 which comprises at least 30 contiguous nucleotides.

62. (new) The purified nucleic acid of claim 11 which comprises at least 33 contiguous nucleotides.

63. (new) The purified nucleic acid of claim 11 which comprises at least 36 contiguous nucleotides.

64. (new) The purified nucleic acid of claim 11 which comprises at least 39 contiguous nucleotides.

65. (new) The purified nucleic acid of claim 11 which comprises at least 48 contiguous nucleotides.

66. (new) The purified nucleic acid of claim 11 which comprises at least 54 contiguous nucleotides.

67. (new) The purified nucleic acid of claim 47 which comprises at least 15 contiguous nucleotides.

68. (new) The purified nucleic acid of claim 47 which comprises at least 18 contiguous nucleotides.

69. (new) The purified nucleic acid of claim 47 which comprises at least 30 contiguous nucleotides.

70. (new) The purified nucleic acid of claim 47 which comprises at least 33 contiguous nucleotides.

71. (new) The purified nucleic acid of claim 47 which comprises at least 36 contiguous nucleotides.

72. (new) The purified nucleic acid of claim 47 which comprises at least 39 contiguous nucleotides.

73. (new) The purified nucleic acid of claim 47 which comprises at least 48 contiguous nucleotides.

74. (new) The purified nucleic acid of claim 47 which comprises at least 54 contiguous nucleotides.